

Autocomplete

Autocomplete A powerful and flexible autocomplete input component that provides intelligent search and selection capabilities. Features include single and multi-select modes, custom option templates, loading states, keyboard navigation, and comprehensive accessibility support. Perfect for search interfaces, form inputs, and data selection workflows.

How to use ■ import { AvaAutocompleteComponent } from "@aava/play-core" ;

Basic Usage ■ The most basic implementation with a simple array of options and default single-select behavior.

Angular Preview Code

```
import { Component } from "@angular/core" ; import { AvaAutocompleteComponent , AvaAutocompleteOption , } from "@aava/play-core" ; @ Component ( { selector : "app-autocomplete-basic" , standalone : true , imports : [ AvaAutocompleteComponent ] , template : ` <div class="demo-container"> <h3>Basic Autocomplete</h3> <ava-autocomplete [options]="countries" placeholder="Search for a country..." label="Country" (optionSelected)="onOptionSelected($event)" (valueChange)="onValueChange($event)"></ava-autocomplete> <div class="demo-output" *ngIf="selectedCountry"> <p><strong>Selected:</strong> {{ selectedCountry }}</p> </div> </div> ` , styles : [ ` .demo-container { max-width: 400px; margin: 20px 0; } .demo-output { margin-top: 20px; padding: 12px; background: #f8f9fa; border-radius: 6px; border-left: 4px solid #007bff; } ` , ] , } ) export class AutocompleteBasicDemo { countries : AvaAutocompleteOption [ ] = [ { label : "United States" , value : "us" } , { label : "Canada" , value : "ca" } , { label : "United Kingdom" , value : "uk" } , { label : "Germany" , value : "de" } , { label : "France" , value : "fr" } , { label : "Italy" , value : "it" } , { label : "Spain" , value : "es" } , { label : "Netherlands" , value : "nl" } , { label : "Belgium" , value : "be" } , { label : "Switzerland" , value : "ch" } , { label : "Austria" , value : "at" } , { label : "Sweden" , value : "se" } , { label : "Norway" , value : "no" } , { label : "Denmark" , value : "dk" } , { label : "Finland" , value : "fi" } , ] ; selectedCountry : string = "" ; onOptionSelected ( option : AvaAutocompleteOption ) { console . log ( "Option selected:" , option ) ; } onValueChange ( value : string ) { console . log ( "Value changed:" , value ) ; this . selectedCountry = value ; } }
```

Multi-Select Mode ■ Enable multi-select functionality to allow users to select multiple options, displayed as removable tags.

Angular Preview Code

```
import { Component } from "@angular/core" ; import { AvaAutocompleteComponent , AvaAutocompleteOption , } from "@aava/play-core" ; @ Component ( { selector : "app-autocomplete-multi-select" , standalone : true , imports : [ AvaAutocompleteComponent ] , template : ` <div class="demo-container"> <h3>Multi-Select Autocomplete</h3> <ava-autocomplete [options]="skills" [multi]="true" placeholder="Search and select skills..." label="Skills" tagColor="primary" tagVariant="filled" tagSize="sm" tagPill="true" tagRemovable="true" (optionSelected)="onOptionSelected($event)" (valueChange)="onValueChange($event)"></ava-autocomplete> <div class="demo-output" *ngIf="selectedSkills.length"> <p><strong>Selected Skills:</strong></p> <ul> <li *ngFor="let skill of selectedSkills">{{ skill }}</li> </ul> </div> </div> ` , styles : [ ` .demo-container { max-width:
```

```
500px; margin: 20px 0; } .demo-output { margin-top: 20px; padding: 12px; background: #f8f9fa; border-radius: 6px; border-left: 4px solid #28a745; } .demo-output ul { margin: 8px 0; padding-left: 20px; } .demo-output li { margin: 4px 0; } ` , ] , } ) export class AutocompleteMultiSelectDemo { skills : AvaAutocompleteOption [ ] = [ { label : "Angular" , value : "angular" } , { label : "React" , value : "react" } , { label : "Vue.js" , value : "vue" } , { label : "TypeScript" , value : "typescript" } , { label : "JavaScript" , value : "javascript" } , { label : "HTML5" , value : "html5" } , { label : "CSS3" , value : "css3" } , { label : "Sass" , value : "sass" } , { label : "Node.js" , value : "nodejs" } , { label : "Python" , value : "python" } , { label : "Java" , value : "java" } , { label : "C#" , value : "csharp" } , { label : "PHP" , value : "php" } , { label : "Ruby" , value : "ruby" } , { label : "Go" , value : "go" } , { label : "Rust" , value : "rust" } , { label : "Docker" , value : "docker" } , { label : "Kubernetes" , value : "kubernetes" } , { label : "AWS" , value : "aws" } , { label : "Azure" , value : "azure" } , { label : "Google Cloud" , value : "gcp" } , { label : "MongoDB" , value : "mongodb" } , { label : "PostgreSQL" , value : "postgresql" } , { label : "MySQL" , value : "mysql" } , { label : "Redis" , value : "redis" } , ] ; selectedSkills : string [ ] = [ ] ; onOptionSelected ( option : AvaAutocompleteOption ) { console . log ( "Option selected:" , option ) ; } onValueChange ( values : string [ ] ) { console . log ( "Values changed:" , values ) ; this . selectedSkills = values ; } } Multi-Select Features ■ Tag Display : Selected options appear as removable tags below the input Tag Customization : Full control over tag appearance, colors, and behavior Duplicate Prevention : Automatically prevents duplicate selections Bulk Removal : Individual tag removal with click or keyboard Clear All : Option to clear all selections at once Options with Icons ■ Enhance autocomplete options with meaningful icons for better visual context and user recognition. Angular Preview Code import { Component } from "@angular/core" ; import { AvaAutocompleteComponent , AvaAutocompleteOption , } from "@aava/play-core" ; @ Component ( { selector : "app-autocomplete-icons" , standalone : true , imports : [ AvaAutocompleteComponent ] , template : ` <div class="demo-container"> <h3>Autocomplete with Icons</h3> <ava-autocomplete [options]="socialPlatforms" placeholder="Search social platforms..." label="Social Platform" startIcon="search" startIconColor="#6b7280" startIconSize="18px" (optionSelected)="onOptionSelected($event)" (valueChange)="onValueChange($event)" ></ava-autocomplete> <div class="demo-output" *ngIf="selectedPlatform"> <p><strong>Selected Platform:</strong> {{ selectedPlatform }}</p> </div> </div> ` , styles : [ ` .demo-container { max-width: 400px; margin: 20px 0; } .demo-output { margin-top: 20px; padding: 12px; background: #f8f9fa; border-radius: 6px; border-left: 4px solid #ff6b35; } ` , ] , } ) export class AutocompletelconsDemo { socialPlatforms : AvaAutocompleteOption [ ] = [ { label : "Facebook" , value : "facebook" , icon : "facebook" } , { label : "Twitter" , value : "twitter" , icon : "twitter" } , { label : "Instagram" , value : "instagram" , icon : "instagram" } , { label : "LinkedIn" , value : "linkedin" , icon : "linkedin" } , { label : "YouTube" , value : "youtube" , icon : "youtube" } , { label : "TikTok" , value : "tiktok" , icon : "music" } , { label : "Snapchat" , value : "snapchat" , icon : "camera" } , { label : "Pinterest" , value : "pinterest" , icon : "heart" } , { label : "Reddit" , value : "reddit" , icon : "message-circle" } , { label : "Discord" , value : "discord" , icon : "message-square" } , { label : "Slack" , value : "slack" , icon : "message-circle" } , { label : "WhatsApp" , value : "whatsapp" , icon : "phone" } , { label : "Telegram" , value : "telegram" ,
```

```

icon : "send" } , { label : "GitHub" , value : "github" , icon : "github" } , { label : "Stack Overflow" ,
value : "stackoverflow" , icon : "help-circle" } , ] ; selectedPlatform : string = "" ; onOptionSelected (
option : AvaAutocompleteOption ) { console . log ( "Option selected:" , option ) ; } onValueChange (
value : string ) { console . log ( "Value changed:" , value ) ; this . selectedPlatform = value ; } }

Icon Features ■ Option Icons : Add icons to individual options for visual distinction Start Icon :
Include a leading icon in the input field itself Icon Customization : Control icon colors, sizes, and
positioning Consistent Theming : Icons inherit theme colors automatically Accessibility : Proper
ARIA labels for icon descriptions Async States ■ Display loading indicators while fetching options
from asynchronous sources. Angular Preview Code import { Component , OnInit } from
"@angular/core" ; import { AvaAutocompleteComponent , AvaAutocompleteOption , } from
"@aava/play-core" ; import { Observable , of , delay } from "rxjs" ; @ Component ( { selector :
"app-autocomplete-loading" , standalone : true , imports : [ AvaAutocompleteComponent ] ,
template : ` <div class="demo-container"> <h3>Autocomplete with Loading States</h3>
<ava-autocomplete [options]="asyncOptions" [loading]="isLoading" placeholder="Search users
(simulated API delay)..." label="Users" [debounce]="300" [minLength]="2"
(optionSelected)="onOptionSelected($event)" (valueChange)="onValueChange($event)"
></ava-autocomplete> <div class="demo-output" *ngIf="selectedUser"> <p><strong>Selected
User:</strong> {{ selectedUser }}</p> </div> <div class="demo-info"> <p> <small >■ Type at least
2 characters to trigger the simulated API call with loading state.</small > </p> </div> </div> ` ,
styles : [ ` .demo-container { max-width: 400px; margin: 20px 0; } .demo-output { margin-top: 20px;
padding: 12px; background: #f8f9fa; border-radius: 6px; border-left: 4px solid #17a2b8; }
.demo-info { margin-top: 16px; padding: 8px 12px; background: #e7f3ff; border-radius: 4px;
border-left: 3px solid #007bff; } .demo-info p { margin: 0; color: #0056b3; } ` , ] , } ) export class
AutocompleteLoadingDemo implements OnInit { asyncOptions : Observable <
AvaAutocompleteOption [ ] > = of ( [ ] ) ; isLoading = false ; selectedUser : string = "" ; private
allUsers : AvaAutocompleteOption [ ] = [ { label : "John Doe" , value : "john.doe@example.com" } ,
{ label : "Jane Smith" , value : "jane.smith@example.com" } , { label : "Mike Johnson" , value :
"mike.johnson@example.com" } , { label : "Sarah Wilson" , value : "sarah.wilson@example.com" } ,
{ label : "David Brown" , value : "david.brown@example.com" } , { label : "Emily Davis" , value :
"emily.davis@example.com" } , { label : "Michael Miller" , value : "michael.miller@example.com" } ,
{ label : "Lisa Garcia" , value : "lisa.garcia@example.com" } , { label : "Robert Martinez" , value :
"robert.martinez@example.com" } , { label : "Jennifer Anderson" , value :
"jennifer.anderson@example.com" } , { label : "William Taylor" , value :
"william.taylor@example.com" } , { label : "Amanda Thomas" , value :
"amanda.thomas@example.com" } , { label : "James Jackson" , value :
"james.jackson@example.com" } , { label : "Michelle White" , value :
"micelle.white@example.com" } , { label : "Christopher Harris" , value :
"christopher.harris@example.com" } , ] ; ngOnInit ( ) { // Simulate async options with loading state
this . asyncOptions = new Observable ( ( observer ) => { observer . next ( [ ] ) ; } ) ; }
onOptionSelected ( option : AvaAutocompleteOption ) { console . log ( "Option selected:" , option ) }

```

```
; } onValueChange ( value : string ) { console . log ( "Value changed:" , value ) ; this . selectedUser = value ; // Simulate API call with loading state if ( value . length >= 2 ) { this . isLoading = true ; // Simulate API delay setTimeout ( () => { const filteredUsers = this . allUsers . filter ( ( user ) => user . label . toLowerCase ( ) . includes ( value . toLowerCase ( ) ) ) ; this . asyncOptions = of ( filteredUsers ) . pipe ( delay ( 500 ) ) ; this . isLoading = false ; } , 300 ) ; } else { this . asyncOptions = of ( [ ] ) ; } } }
```

■ Async Features

- Debounced Requests : Configurable debounce to prevent excessive API calls
- Loading Text : Customizable loading message
- State Management : Automatic loading state handling
- Error Handling : Graceful error state display
- Accessibility : Built-in accessibility features ensuring WCAG compliance and inclusive user experience.

Angular Preview Code Accessibility Features

- Keyboard Navigation : Full arrow key, Enter, Escape, and Tab support
- ARIA Attributes : Proper aria-autocomplete , aria-controls , and aria-activedescendant
- Screen Reader Support : Descriptive labels and state announcements
- Focus Management : Clear visual focus indicators
- High Contrast : Enhanced visibility in high contrast mode
- Reduced Motion : Respects user motion preferences

API Reference

- Inputs
- Property Type Default Description

options	AvaAutocompleteOption[] Observable<AvaAutocompleteOption[]> []	Array or Observable of autocomplete options
placeholder	string	"Placeholder text for the input field"
label	string	"Label for the input field"
error	string	"Error message to display"
helper	string	"Helper text below the input"
loading	boolean	false
disabled	boolean	false
clearable	boolean	true
showClear	boolean	false
value	minLength	number
minLength	1	
characters	toTriggerSearch	number
maxOptions	10	
noResultsText	string	'No results found'
debounce	number	200
debounceTime	Debounce time for input changes (ms)	
optionTemplate	TemplateRef<unknown>	undefined
customTemplate	Custom template for option display	
multi	boolean	false
enableMultiSelect	boolean	false
fullWidth	boolean	false
makeFullWidth	boolean	false
required	boolean	false
markRequired	boolean	false
readonly	boolean	false
name	name	string
ID	ID	string
ariaLabel	ariaLabel	string
ariaLabelledBy	ariaLabelledBy	string
ariaDescribedBy	ariaDescribedBy	string
ariaDescribedBy	ariaDescribedBy	string
Properties	(Multi-Select)	■
Property Type	Default Description	
tagColor	'default' 'primary' 'success' 'warning' 'error' 'info' 'custom'	'default'
tagVariant	'filled' 'outlined'	'filled'
Visual variant for tags		
tagSize	'sm' 'md' 'lg'	'sm'
tagPill	boolean	false
Use pill shape for tags		
tagRemovable	boolean	true
Allow tags to be removed		
tagDisabled	boolean	false
Disable tag interactions		
tagIcon	Icon to display in tags	
tagIconPosition	'start' 'end'	'start'
Position of icon in tags		
tagAvatar	Avatar image URL for tags	
tagCustomStyle	Record<string, string>	{}
Custom styles for tags		
tagCustomClass	Custom CSS class for tags	
tagIconColor	Custom color for tag icons	
Icon Properties	■	
Property Type	Default Description	
startIcon	Icon name for the start of the input	
startIconColor	Color for the start icon	
startIconSize	Size of the start icon	
startIconSize	'16px'	
Outputs	■	
Event Type	Description	
optionSelected	Event Emitter<AvaAutocompleteOption>	Emitted when an option is selected
valueChange	Event Emitter<string string[]>	Emitted when the input value changes
cleared	Event Emitter<void>	Emitted when the input is cleared
AvaAutocompleteOption	Interface	■ interface

```
AvaAutocompleteOption { label : string ; // Display text for the option value : string ; // Value to be emitted when selected icon ? : string ; // Optional icon name for the option group ? : string ; // Optional group for categorization [ key : string ] : string | boolean | number | undefined ; // Additional custom properties } Methods ■ Method Parameters Return Type Description  
onInput(event: Event) event: Event void Handle input changes and trigger search onFocus() - void Handle focus events onBlur() - void Handle blur events onOptionClick(option: AvaAutocompleteOption) option: AvaAutocompleteOption void Handle option selection onClear() - void Clear the input and selections onKeyDown(event: KeyboardEvent) event: KeyboardEvent void Handle keyboard navigation removeSelectedOption(opt: AvaAutocompleteOption) opt: AvaAutocompleteOption void Remove a selected option (multi-select) CSS Custom Properties ■ Property Default Description --autocomplete-background Dynamic Background color for dropdown --autocomplete-border-color Dynamic Border color for dropdown --autocomplete-border-width Dynamic Border width for dropdown --autocomplete-border-radius Dynamic Border radius for dropdown --autocomplete-shadow Dynamic Box shadow for dropdown --autocomplete-option-color Dynamic Text color for dropdown options --autocomplete-option-hover-bg Dynamic Background color for hovered options --autocomplete-option-hover-color Dynamic Text color for hovered options --autocomplete-option-icon-color Dynamic Color for option icons --autocomplete-empty-color Dynamic Color for "no results" text --autocomplete-chip-bg Dynamic Background color for multi-select tags --autocomplete-chip-color Dynamic Text color for multi-select tags --autocomplete-chip-remove-color Dynamic Color for tag remove buttons Accessibility Guidelines ■ Keyboard Navigation ■ Tab : Navigate to autocomplete and move between interactive elements Arrow Down/Up : Navigate through dropdown options Enter : Select highlighted option Escape : Close dropdown without selection Backspace : In multi-select, remove last selected option Space : Select highlighted option (alternative to Enter) Screen Reader Support ■ Use descriptive labels that clearly indicate the autocomplete purpose Provide context about the total number of options available Announce option changes and selection updates Include loading state announcements Use appropriate ARIA attributes for state communication Visual Design ■ Maintain sufficient color contrast (4.5:1 minimum) for all states Provide clear focus indicators on interactive elements Ensure dropdown options meet minimum touch target size (44px) Use consistent visual hierarchy across all states Support high contrast and reduced motion preferences Best Practices ■ Design Guidelines ■ Clear Labels : Use descriptive labels that explain the autocomplete purpose Appropriate Placeholders : Provide helpful placeholder text with examples Option Grouping : Group related options when dealing with large datasets Loading Feedback : Always show loading states for async operations Error Handling : Provide clear error messages and recovery options Responsive Design : Ensure dropdown adapts to different screen sizes Performance ■ Debouncing : Use appropriate debounce times to prevent excessive API calls Option Limiting : Limit displayed options to prevent performance issues Lazy Loading : Consider lazy loading for very large option sets Memory Management : Clean up subscriptions and event listeners Virtual Scrolling : Implement virtual scrolling for thousands of options Caching : Cache frequently
```

accessed options to improve response times

Form Integration

- **Validation** : Implement proper form validation for required fields
- Error States** : Display validation errors clearly and consistently
- Default Values** : Handle default values appropriately in both single and multi-select
- Form Submission** : Ensure selected values are properly included in form data
- Accessibility** : Maintain proper form accessibility throughout the component lifecycle
- Multi-Select Considerations**

 - **Tag Management** : Provide clear ways to remove individual tags
 - Bulk Operations** : Consider bulk remove functionality for many selections
 - Tag Overflow** : Handle cases where many tags exceed available space
 - Keyboard Navigation** : Ensure proper keyboard navigation through tags
 - Visual Feedback** : Provide clear visual feedback for tag interactions

```

import { Component } from "@angular/core";
import {
  AvaAutocompleteComponent,
  AvaAutocompleteOption,
} from "@aava/play-core";

@Component({
  selector: "app-autocomplete-basic",
  standalone: true,
  imports: [AvaAutocompleteComponent],
  template: `
    <div class="demo-container">
      <h3>Basic Autocomplete</h3>

      <ava-autocomplete
        [options]="countries"
        placeholder="Search for a country..."
        label="Country"
        (optionSelected)="onOptionSelected($event)"
        (valueChange)="onValueChange($event)"
      ></ava-autocomplete>

      <div class="demo-output" *ngIf="selectedCountry">
        <p><strong>Selected:</strong> {{ selectedCountry }}</p>
      </div>
    </div>
  `,
  styles: [
    `
      .demo-container {
        max-width: 400px;
        margin: 20px 0;
      }

      .demo-output {
        margin-top: 20px;
        padding: 12px;
        background: #f8f9fa;
        border-radius: 6px;
        border-left: 4px solid #007bff;
      }
    `,
  ],
})
export class AutocompleteBasicDemo {
  countries: AvaAutocompleteOption[] = [
    { label: "United States", value: "us" },
    { label: "Canada", value: "ca" },
    { label: "United Kingdom", value: "uk" },
    { label: "Germany", value: "de" },
    { label: "France", value: "fr" },
    { label: "Italy", value: "it" },
    { label: "Spain", value: "es" },
    { label: "Netherlands", value: "nl" },
    { label: "Belgium", value: "be" },
    { label: "Switzerland", value: "ch" },
  ];
}

```

```
{ label: "Austria", value: "at" },
{ label: "Sweden", value: "se" },
{ label: "Norway", value: "no" },
{ label: "Denmark", value: "dk" },
{ label: "Finland", value: "fi" },
];

selectedCountry: string = "";

onOptionSelected(option: AvaAutocompleteOption) {
  console.log("Option selected:", option);
}

onValueChange(value: string) {
  console.log("Value changed:", value);
  this.selectedCountry = value;
}
}
```

```

import { Component } from "@angular/core";
import {
  AvaAutocompleteComponent,
  AvaAutocompleteOption,
} from "@aava/play-core";

@Component({
  selector: "app-autocomplete-multi-select",
  standalone: true,
  imports: [AvaAutocompleteComponent],
  template: `
    <div class="demo-container">
      <h3>Multi-Select Autocomplete</h3>

      <ava-autocomplete
        [options]="skills"
        [multi]="true"
        placeholder="Search and select skills..."
        label="Skills"
        tagColor="primary"
        tagVariant="filled"
        tagSize="sm"
        tagPill="true"
        tagRemovable="true"
        (optionSelected)="onOptionSelected($event)"
        (valueChange)="onValueChange($event)"
      ></ava-autocomplete>

      <div class="demo-output" *ngIf="selectedSkills.length">
        <p><strong>Selected Skills:</strong></p>
        <ul>
          <li *ngFor="let skill of selectedSkills">{{ skill }}</li>
        </ul>
      </div>
    </div>
  `,
  styles: [
    `
      .demo-container {
        max-width: 500px;
        margin: 20px 0;
      }

      .demo-output {
        margin-top: 20px;
        padding: 12px;
        background: #f8f9fa;
        border-radius: 6px;
        border-left: 4px solid #28a745;
      }

      .demo-output ul {
        margin: 8px 0;
        padding-left: 20px;
      }
    `
  ]
})

```

```

.demo-output li {
  margin: 4px 0;
}

],
})

export class AutocompleteMultiSelectDemo {
  skills: AvaAutocompleteOption[] = [
    { label: "Angular", value: "angular" },
    { label: "React", value: "react" },
    { label: "Vue.js", value: "vue" },
    { label: "TypeScript", value: "typescript" },
    { label: "JavaScript", value: "javascript" },
    { label: "HTML5", value: "html5" },
    { label: "CSS3", value: "css3" },
    { label: "Sass", value: "sass" },
    { label: "Node.js", value: "nodejs" },
    { label: "Python", value: "python" },
    { label: "Java", value: "java" },
    { label: "C#", value: "csharp" },
    { label: "PHP", value: "php" },
    { label: "Ruby", value: "ruby" },
    { label: "Go", value: "go" },
    { label: "Rust", value: "rust" },
    { label: "Docker", value: "docker" },
    { label: "Kubernetes", value: "kubernetes" },
    { label: "AWS", value: "aws" },
    { label: "Azure", value: "azure" },
    { label: "Google Cloud", value: "gcp" },
    { label: "MongoDB", value: "mongodb" },
    { label: "PostgreSQL", value: "postgresql" },
    { label: "MySQL", value: "mysql" },
    { label: "Redis", value: "redis" },
  ];
}

selectedSkills: string[] = [];

onOptionSelected(option: AvaAutocompleteOption) {
  console.log("Option selected:", option);
}

onValueChange(values: string[]) {
  console.log("Values changed:", values);
  this.selectedSkills = values;
}
}

```

```

import { Component } from "@angular/core";
import {
  AvaAutocompleteComponent,
  AvaAutocompleteOption,
} from "@aava/play-core";

@Component({
  selector: "app-autocomplete-icons",
  standalone: true,
  imports: [AvaAutocompleteComponent],
  template: `
    <div class="demo-container">
      <h3>Autocomplete with Icons</h3>

      <ava-autocomplete
        [options]="socialPlatforms"
        placeholder="Search social platforms..."
        label="Social Platform"
        startIcon="search"
        startIconColor="#6b7280"
        startIconSize="18px"
        (optionSelected)="onOptionSelected($event)"
        (valueChange)="onValueChange($event)"
      ></ava-autocomplete>

      <div class="demo-output" *ngIf="selectedPlatform">
        <p><strong>Selected Platform:</strong> {{ selectedPlatform }}</p>
      </div>
    </div>
  `,
  styles: [
    `
      .demo-container {
        max-width: 400px;
        margin: 20px 0;
      }

      .demo-output {
        margin-top: 20px;
        padding: 12px;
        background: #f8f9fa;
        border-radius: 6px;
        border-left: 4px solid #ff6b35;
      }
    `,
  ],
})
export class AutocompleteIconsDemo {
  socialPlatforms: AvaAutocompleteOption[] = [
    { label: "Facebook", value: "facebook", icon: "facebook" },
    { label: "Twitter", value: "twitter", icon: "twitter" },
    { label: "Instagram", value: "instagram", icon: "instagram" },
    { label: "LinkedIn", value: "linkedin", icon: "linkedin" },
    { label: "YouTube", value: "youtube", icon: "youtube" },
    { label: "TikTok", value: "tiktok", icon: "music" },
    { label: "Snapchat", value: "snapchat", icon: "camera" },
  ];
}

```

```
{ label: "Pinterest", value: "pinterest", icon: "heart" },
{ label: "Reddit", value: "reddit", icon: "message-circle" },
{ label: "Discord", value: "discord", icon: "message-square" },
{ label: "Slack", value: "slack", icon: "message-circle" },
{ label: "WhatsApp", value: "whatsapp", icon: "phone" },
{ label: "Telegram", value: "telegram", icon: "send" },
{ label: "GitHub", value: "github", icon: "github" },
{ label: "Stack Overflow", value: "stackoverflow", icon: "help-circle" },
];

selectedPlatform: string = "";

onOptionSelected(option: AvaAutocompleteOption) {
    console.log("Option selected:", option);
}

onValueChange(value: string) {
    console.log("Value changed:", value);
    this.selectedPlatform = value;
}
}
```

```

import { Component, OnInit } from "@angular/core";
import {
  AvaAutocompleteComponent,
  AvaAutocompleteOption,
} from "@aava/play-core";
import { Observable, of, delay } from "rxjs";

@Component({
  selector: "app-autocomplete-loading",
  standalone: true,
  imports: [AvaAutocompleteComponent],
  template: `
    <div class="demo-container">
      <h3>Autocomplete with Loading States</h3>

      <ava-autocomplete
        [options]="asyncOptions"
        [loading]="isLoading"
        placeholder="Search users (simulated API delay)..."
        label="Users"
        [debounce]="300"
        [minLength]="2"
        (optionSelected)="onOptionSelected($event)"
        (valueChange)="onValueChange($event)"
      ></ava-autocomplete>

      <div class="demo-output" *ngIf="selectedUser">
        <p><strong>Selected User:</strong> {{ selectedUser }}</p>
      </div>

      <div class="demo-info">
        <p>
          <small>
            >■ Type at least 2 characters to trigger the simulated API call
            with loading state.</small>
          >
        </p>
      </div>
    </div>
  `,
  styles: [
    `
      .demo-container {
        max-width: 400px;
        margin: 20px 0;
      }

      .demo-output {
        margin-top: 20px;
        padding: 12px;
        background: #f8f9fa;
        border-radius: 6px;
        border-left: 4px solid #17a2b8;
      }

      .demo-info {
    
```

```

        margin-top: 16px;
        padding: 8px 12px;
        background: #e7f3ff;
        border-radius: 4px;
        border-left: 3px solid #007bff;
    }

    .demo-info p {
        margin: 0;
        color: #0056b3;
    }
}

],
))

export class AutocompleteLoadingDemo implements OnInit {
    asyncOptions: Observable<AvaAutocompleteOption[]> = of([]);
    isLoading = false;
    selectedUser: string = "";

    private allUsers: AvaAutocompleteOption[] = [
        { label: "John Doe", value: "john.doe@example.com" },
        { label: "Jane Smith", value: "jane.smith@example.com" },
        { label: "Mike Johnson", value: "mike.johnson@example.com" },
        { label: "Sarah Wilson", value: "sarah.wilson@example.com" },
        { label: "David Brown", value: "david.brown@example.com" },
        { label: "Emily Davis", value: "emily.davis@example.com" },
        { label: "Michael Miller", value: "michael.miller@example.com" },
        { label: "Lisa Garcia", value: "lisa.garcia@example.com" },
        { label: "Robert Martinez", value: "robert.martinez@example.com" },
        { label: "Jennifer Anderson", value: "jennifer.anderson@example.com" },
        { label: "William Taylor", value: "william.taylor@example.com" },
        { label: "Amanda Thomas", value: "amanda.thomas@example.com" },
        { label: "James Jackson", value: "james.jackson@example.com" },
        { label: "Michelle White", value: "michelle.white@example.com" },
        { label: "Christopher Harris", value: "christopher.harris@example.com" },
    ];

    ngOnInit() {
        // Simulate async options with loading state
        this.asyncOptions = new Observable((observer) => {
            observer.next([]);
        });
    }

    onOptionSelected(option: AvaAutocompleteOption) {
        console.log("Option selected:", option);
    }

    onValueChange(value: string) {
        console.log("Value changed:", value);
        this.selectedUser = value;

        // Simulate API call with loading state
        if (value.length >= 2) {
            this.isLoading = true;
        }
    }
}

```

```
// Simulate API delay
setTimeout(() => {
  const filteredUsers = this.allUsers.filter((user) =>
    user.label.toLowerCase().includes(value.toLowerCase())
  );

  this.asyncOptions = of(filteredUsers).pipe(delay(500));
  this.isLoading = false;
}, 300);
} else {
  this.asyncOptions = of([]);
}
}
}
```

■ No code found